

Response under 37 C.F.R. 1.111
Serial No. 09/650,058
Page 2 of 12

Amendments to the Claims

Please amend the claims as follows:

1. (Cancelled)

2. (Currently Amended) ~~The method of claim 4~~ A method for use in a transmitter, the method comprising the steps of:

using a downlink channel to convey information to a group of devices; and
load balancing the downlink channel; wherein the downlink channel comprises a sequence of dwells, each dwell having a time period, and wherein the method further comprises the step of detecting that at least one dwell of the sequence conveys more downlink information than the other dwells of the sequence as a prerequisite to performing the load balancing step.

3. (Original) A method for use in a wireless system, the method comprising the steps of:

Al sending data to a group of N wireless endpoints over a communications channel comprising a sequence of time slots;

detecting an imbalance such that some of the time slots convey more data than other time slots; and

shifting some of the data from at least one time slot to another time slot for reducing the detected imbalance.

4. (Original) The method of claim 3 wherein the detecting step includes the steps of:

measuring the amount of data sent in each of M timeslots to the N wireless endpoints; and

comparing the measured data for at-least-one of the M timeslots to others of the M timeslots for detecting the imbalance.

Response under 37 C.F.R. 1.111
Serial No. 09/650,058
Page 3 of 12

5. (Original) A method for use in a wireless system, the method comprising the steps of:

sending data to a group of N wireless endpoints over a communications channel comprising a sequence of time slots;

detecting an imbalance such that every other time slot of the sequence conveys more data than the remaining time slots of the sequence; and

shifting some of the data from at least one of the every other time slots to at least one of the remaining time slots for reducing the detected imbalance.

6. (Cancelled)

al 7. (Currently Amended) ~~The apparatus of claim 6~~ Apparatus for use in a communications system, the apparatus comprising:

a transmitter for providing a downlink channel to convey information to a group of devices; and

a processor for performing load balancing on the downlink channel;

wherein the downlink channel comprises a number of dwells, each dwell having a time period, and wherein the processor performs the load balancing upon detection that at least one of the dwells conveys more downlink information than the other dwells.

8. (Original) Apparatus for use in a wireless system, the apparatus comprising:

a memory for storing data for transmission to a group of N wireless endpoints;

a scheduler for retrieving the stored data and for measuring the amount of stored data transmitted in each of M timeslots to the N wireless endpoints, and for comparing the measured data for at-least-one of the M timeslots to others of the M timeslots for detecting an imbalance in the transmission and for shifting some of the data from at least one time slot to another time slot for reducing the detected imbalance.

Response under 37 C.F.R. 1.111
Serial No. 09/650,058
Page 4 of 12

9. (Original) Apparatus for use in a wireless system, the apparatus comprising:
a memory for storing data for transmission to a group of N wireless endpoints;

a scheduler for retrieving the stored data and for measuring the amount of stored data transmitted in each of M timeslots to the N wireless endpoints, and for detecting an imbalance such that every other time slot of the M time slots convey more data than the remaining time slots of the M time slots; and for shifting some of the data from at least one of the every other time slots to at least one of the remaining time slots for reducing the detected imbalance.

Remarks

In view of the following discussion, the Applicant submits that none of the claims now pending in the application are non-enabling, anticipated, or obvious under the respective provisions of 35 U.S.C. § 112, §102, and §103. Thus, the Applicant believes that all of these claims are now in allowable form. Applicant also believes that any alleged deficiencies in the specification and/or drawings have been satisfactorily corrected in this Response.

It is to be understood that the Applicant, does not acquiesce to the Examiner's characterizations of the art of record or to Applicant's subject matter recited in the pending claims. Further, Applicant is not acquiescing to the Examiner's statements as to the applicability of the prior art of record to the pending claims by filing this Response.